

# Occlusion, function and dysfunction.

## Postgraduate Course DEN1016S

**Target group:** Postgraduate candidates in clinical dental specialties.

**Content:** Course 1016S complements DEN1017S titled “*Management of TMD and oral pain*” and DEN1060F titled “*Oral physiology: sensory and neuromuscular function*”.

**Format:** The session topics are to be presented by the course participants on a rotational basis. The presentations should be centered on the key literature located on the course resource website, but presentation and appraisal of alternative literature is also welcomed. It is expected that the key literature has been read by all course participants before each session.

The presentations should aim to fulfill the learning objectives as specified for each topic.

**Learning objectives:** (C)ognitive, (A)ffective and (P)sychomotor are specified under each lecture

**Course pass:** Attendance, participation & demonstration of critical appraisal skills in lecture presentation and written essay on test day.

**Course coordinator:** Dr Asbjørn Jokstad, Head of prosthodontics

**Time and location:** Tuesdays – 11.00 – 13.00, Room 360

Date	Topic	Presenter	Audience learning objectives (C)ognitive, (A)ffective and (P)sychomotor
06.1.2009	<b>Introduction</b>	Asbjørn Jokstad Prosthodontics	<b>C:</b> <i>Recognize the layout and learning objectives of the occlusion course</i>
13.1.2009	<b>Occlusion and treatment philosophies</b>	Asbjørn Jokstad Prosthodontics	<b>C:</b> <i>Outline different doctrines on occlusion advocated throughout history and the strength of scientific evidence for their support</i>
20.1.2009	<b>Part 1: Jaw &amp; TMJ movement</b> ----- <b>Part 2: Oral health care needs of frail elderly people</b>	Asbjørn Jokstad Prosthodontics ----- Michael MacEntee Univ. B.C. Vancouver	<b>C:</b> <i>Recognize the methods used to measure jaw and tmj movements and the research aimed to establish an association with occlusion</i> ----- <b>C:</b> <i>Recognize: (i) the implications of frailty for oral health in old age (ii) Frailty and the psychosocial impact of oral prostheses (iii) optimal oral health care for frail elderly people</i>
27.1.2009	<b>Phonetics</b>	Tim Bressman, Sick Kids Hospital	<b>C:</b> <i>Summarize the basic mechanisms of phonation, resonance and speech articulation and the methods used to measure the variables</i> <b>C:</b> <i>Explain impact of the tongue and occlusion on speech</i> <b>P:</b> <i>Identify and combine possible occlusion and other intraoral structures that may influence speech</i>
3.2. 2009	<b>Occlusion and TMD</b>	Asbjørn Jokstad Prosthodontics	<b>C:</b> <i>Recognize the scientific evidence between occlusion and TMD.</i>
10.2. 2009	<b>Student Research day– no class</b>		
17.2. 2009	<b>Reading week – no class</b>		
24.2.2009	<b>Occlusal wear</b>	• Fava,	<b>C:</b> <i>Understand the causes and consequences</i>

		Joseph	<i>of tooth wear in context with occlusion P: Implement best evidence-based practices to prevent and manage patients with tooth wear.</i>
3.3. 2009	<b>Part 1: Proprioception</b> ----- <b>Part 2: Occlusion, motor and sleep disorders.</b>	<ul style="list-style-type: none"> <li>Dugas, Gregory Sean</li> <li>-----</li> <li>Azizi, Natoosha</li> </ul>	<p>Part 1 <b>C:</b> <i>Understand the mechanisms of proprioception and its relevance to occlusion and motor function</i></p> <p>-----</p> <p>Part 2 <b>C:</b> <i>Understand the nature of motor and sleep diseases and their relationship to occlusion; and how best to prevent the conditions and best evidence managements.</i></p>
10.3. 2009	<b>Part 1: Satisfactory occlusal relations for the individual with anomalies</b> ----- <b>Part 2: Mechanical function and controls</b>	<ul style="list-style-type: none"> <li>Heckler, Andrea Julie</li> <li>-----</li> <li>Laski, Brian Nathaniel</li> </ul>	<p>Part 1 <b>C:</b> <i>Have knowledge of problems regarding biting forces, mastication and dysphagia in context with occlusal state</i></p> <p><b>A:</b> <i>Realize that special clinical considerations needs to be considered when treating these patients with a multidisciplinary approach</i></p> <p><b>P:</b> <i>Be able to identify problems amongst these patients and manage needs within own specialty context</i></p> <p>-----</p> <p>Part 2 <b>C:</b> <i>Understand the mechanics of food processing and the role of occlusion, bite forces, tongue activity, bolus formation, and deglutition and recognize the methods used to measure the variables</i></p> <p><b>P:</b> <i>Identify and combine possible occlusion and other intraoral structures that may influence chewing ability</i></p>
17.3 2009	<b>Occlusion and periodontitis</b>	<p>Dep. Periodontology</p> <ul style="list-style-type: none"> <li>T.B.D.</li> </ul>	<p><b>C:</b> <i>Compare the often contrasting opinions and hypotheses about occlusion and periodontitis in the scientific literature</i></p> <p><b>A:</b> <i>Realize that an extensive proportion of the dental literature on occlusion and periodontitis is ambiguous and anecdotal</i></p>
24.3 2009	<b>Occlusion in the prosthodontic literature and the state of the science</b>	<ul style="list-style-type: none"> <li>Suri, Sagun</li> <li>Garcha, Reena</li> </ul>	<p><b>C:</b> <i>Compare the often contrasting opinions and hypotheses about occlusion and oral function in the scientific literature</i></p> <p><b>A:</b> <i>Realize that an extensive proportion of the dental literature on occlusion and oral function is ambiguous and anecdotal</i></p> <p><b>P:</b> <i>Be able to identify, critically appraise and extract clinically significant data on occlusion and oral function from the scientific literature</i></p>
31.3 2009	<b>Occlusion in the</b>	<ul style="list-style-type: none"> <li>Sood,</li> </ul>	<b>C:</b> <i>Compare the often contrasting opinions and</i>

	<b>orthodontics literature and the state of the science</b>	<ul style="list-style-type: none"> <li>• Mandeep Nilforousha, Dorrin</li> </ul>	<p><i>hypotheses about occlusion and oral function in the scientific orthodontic literature</i></p> <p><b>A:</b> <i>Realize that an extensive proportion of the dental literature on occlusion and oral function is ambiguous and anecdotal</i></p> <p><b>P:</b> <i>Be able to identify, critically appraise and extract clinically significant data on occlusion and oral function from the scientific literature</i></p>
7.4 2009	<b>Course test</b>	<b>Essay</b>	